



Vertex Water Features

Lake Aeration Systems & Floating Fountains



B O T T O M A E R A T I O N



AIR 7™

The all new Vertex Air 7 pond aerator is a super-efficient, affordable system designed to maximize aeration in 6-9 acre ponds depending on shape, slope, oxygen demand, and other factors. Two ½ Hp super-duty Brookwood™ twin cylinder HighFlow™ series compressors, housed in our rustproof aluminum outdoor cabinet, feed seven bottom mounted CoActive AirStations™ utilizing Vertex's MicronBubble™ technology. The rising force of millions of bubbles circulates the entire water column, entraining bottom water up to the surface allowing vital oxygen to be absorbed and poisonous gasses expelled.

With no electricity in the water, Vertex's aeration systems are safe for most any type of water recreation. Our compressor systems have a full two-year warranty plus a limited lifetime cabinet warranty against rust. Our AirStations™ carry a five-year warranty and BottomLine™ supply tubing has a 15-year limited warranty.

FEATURES

CoACTIVE AIRSTATION™

- ◆ Tested pumping rate, up to 27,100 GPM combined
- ◆ Fourteen 9" flexible membrane discs with MicronBubble™ technology
- ◆ Self-cleaning, low maintenance and five year warranty
- ◆ Rugged EPDM construction
- ◆ Vacuum formed and sonic welded HDPE base unit
- ◆ Lipped edge prevents sinking into soft bottom sediments
- ◆ Five-year warranty

BROOKWOOD™ COMPRESSORS

- ◆ (2) 1/2 Hp Vertex HighFlow™ Series
- ◆ Vertex SafeStart™ Technology
- ◆ 11.2 CFM, 25 PSI, 115v or 230v
- ◆ Highest flow rate in its class
- ◆ Thermal overload protection
- ◆ 2-4 year extended duty cycle
- ◆ Full two-year warranty

QUIETAIR™ CABINET

- ◆ Class "A" GFCI protection on all 115V circuits
- ◆ Powder coated aluminum for a durable attractive finish
- ◆ Two high capacity 290 CFM fans
- ◆ Easy access design with barrel lock for security
- ◆ Easy plug-in connection to waterside electrical service
- ◆ Heavy duty mounting pad included
- ◆ Five-year warranty

BOTTOMLINE™ TUBING

- ◆ Over-sized 0.58" ID for high flow
- ◆ Heavy duty wall thickness for durability
- ◆ Self-weighted for easy installation
- ◆ Available in 100 and 500 foot increments
- ◆ 15-year Vertex warranty

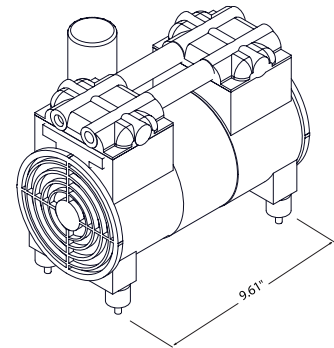
BENEFITS TO THE LAKE

- ◆ High pumping rate easily penetrates stratification layers
- ◆ Circulates entire water column
- ◆ Increased oxygen levels throughout water column
- ◆ Prevents low oxygen fish kills
- ◆ Reduced nutrient levels and associated algae growth
- ◆ Oxidized/reduced bottom muck
- ◆ Expands oxygenated habitat improving fisheries
- ◆ Reduced aquatic midge and mosquito insect hatches
- ◆ Eliminates foul odors from undesirable dissolved gasses
- ◆ Safe entry - no electricity in the water
- ◆ Extended warranties on all system components

SPECIFICATIONS: AIR 7™ LAKE AERATION SYSTEM

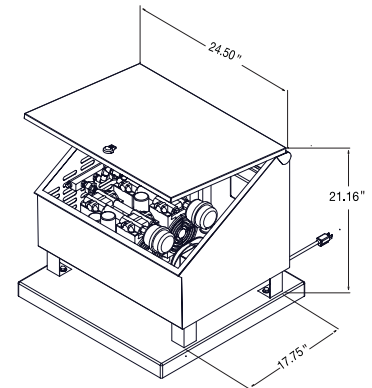
BROOKWOOD™ HIGHFLOW™ COMPRESSOR

(2) 1/2hp, 115v, 11.2 total CFM. 25 PSI single phase, twin cylinder piston type compressors. Also available in 230 volt 50&60 Hz. UR, CE, CSA listed and built for continuous 24/7 operation. Super-duty Brookwood HighFlow™ compressors incorporate upgraded rotors, stators, bearings and capacitors and are thermally protected, oil-free, and require no lubrication; just periodic replacement of air filter. Extended duty cycle is approximately 2 to 4 years for compressor service, about 2 to 4 times the duty cycle of ordinary piston and rotary vane compressors. All new Brookwood™ HighFlow™ compressor systems carry a two year warranty.



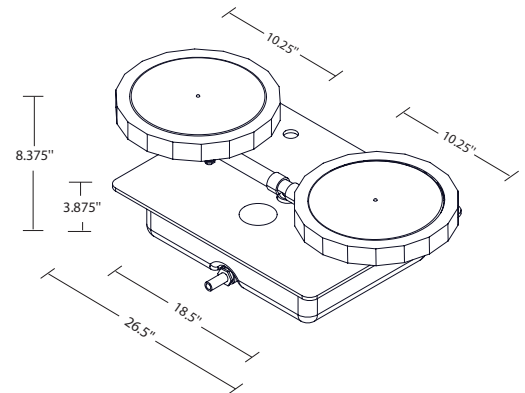
QUIETAIR™ CABINET

Enclosure comes equipped with barrel lock for security, fully gasketed and constructed of aluminum with gray electrostatically-bonded powder coating to provide lifetime warranty against rust. Enclosure furnished with stamped ventilation grills to insure forced air circulation and two integral cooling fans with thermal protection, producing 580 CFM to guard against excessive compressor operating temperatures. This system is equipped with Vertex SafeStart™ technology allowing auto restart under maximum rated pressure without motor damage. Cabinet provided with HDPE mounting pad (24" x 24" x 2"). 115 volt enclosures come equipped with a class A GFIC circuit protection for all electrical components. 230 volt systems require the purchaser to provide GFIC protection on their electrical supply circuit.



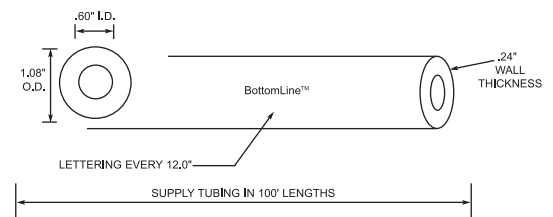
CoACTIVE™ AIRSTATION™ ASSEMBLY

Two air diffusers each consisting of two self-cleaning, 9" diameter, flexible membrane disks of EPDM compound with 100% rebound memory, producing millions of fine 500 to 3000 micron bubbles, make up each AirStation™. Includes FlowControl™ technology that equalizes airflow to all diffusers on uneven bottoms. Each diffuser station is equipped with vacuum formed HDPE base, sonic spot-welded to provide unit integrity. Base unit (17.25"L x 13.25"W x 3.35"D) has a hollow chamber design for the addition of inert pea gravel ballast and has a lipped design to prevent settling into soft bottom sediments. AirStations™ have been independently tested and verified to provide stated pumping rates. Five-year warranty.



BOTTOMLINE™ SUPPLY TUBING

Self-weighted, direct burial submersible tubing for connection from compressor to diffuser stations. Tubing is flexible PVC composite construction for use with standard PVC solvent weld cement and 0.5" insert fittings. Tubing has a smooth walled 0.58" I.D. for extra high flow rates with minimum friction loss to reduce backpressure and extend compressor life. 0.235" wall thickness provides long-term durability and protection against kinking and punctures. BottomLine™ tubing remains flexible in cold temperatures allowing for easy year round installations.



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Install all electrical equipment in accordance with Article 680 of the National Electrical Code and all local codes. Vertex Water Features reserves the right to improve and change our designs and/or specifications of our aerators without notice or obligation.

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